

1 20456-66 EWT(1)/EWT(2)/EWP(1)/HTI LH(2) JC
 ACC NR: AT6023221 SOURCE CODE: UR/2910/65/005/003/0369/0376

AUTHOR: Repshas, K. -- Repsas, K.; Vashkevichyus, R. -- Vaskevicius, R.; Denis, V.
 -- Dienys, V.; Pozhela, Yu. -- Pozela, J. 63
8r1

ORG: Institute of Physics and Mathematics, Academy of Sciences Lithuanian SSR (Institut fiziki i matematiki Akademi nauk Litovskoy SSR)

TITLE: The Hall effect in p-type germanium in strong electric fields

SOURCE: AN LitSSR. Litovskiy fizicheskyy sbornik, v. 5, no. 3. 1965, 369-376

TOPIC TAGS: Hall effect, electron hole, hole mobility, germanium semiconductor, electric field

ABSTRACT: A method is proposed for investigating the Hall effect and other transverse effects in strong electric fields. A superhigh-frequency field was used as the force field which eliminated a number of experimental difficulties. The method was applied to a measurement of the Hall effect in p-type germanium. It was shown that the Hall mobility decreases with an increase of the electrical field more quickly than the drift mobility. The decrease in the Hall constant that was experimentally observed is explained by the distribution of the hot holes differing from a Maxwell distribution and the nonparabolic shape of the zone of light holes.

Card 1/2

L 40856-66

ACC NR: AT6023221

Orig. art. has: 4 figures and 6 formulas.

SUB CODE: 20/ SUBM DATE: 28Dec64/ ORIG REF: 004/ OTH REF: 022

Card 2/2

CZECHOSLOVAKIA

DIEPOLD, F., KUNTSCHER, V., VLK, J; Physiological Institute,
Medical Faculty, Charles University (Fysiologicky Ustav Lk. Fak.
KU) Plzen.

"Further Information on the Influence of Food Administration
on Acetylcholine Changes in the Walls of the Digestive Tract of
White Rats."

Prague, Ceskoslovenska Fysiologie, Vol 15, No 2, Feb 66, p 91

Abstract: One hour after the administration of food cholin-
esterase activity of the stomach walls is much higher than during
starvation. 4 - 6 hours following feeding the acetylcholine
content in duodenum walls is substantially higher than during
starvation. There is a smaller difference in the walls of the
ileum. 2 Western, 3 Czech references. Submitted at "16 Days
of Physiology" at Kosice, 30 Sep 65.

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- 132 -

DIEPOLD, Jiri

Experience with nodular cast iron inoculation by magnesium in an autoclave. Slevarenstvi 10 no.8:303-304 Ag '62.

1. Ceskoslovenske drahy, dilny pro opravu vozidel, Plzen.

DIERA, Ignac

Making small-diameter spheres. Musz ełt 19 no.15:15 16 JI '64.

DIERAGIN, Borys W.

Intermolecular forces. Postepy fizyki 11 no.5/6:475-488 '60.

DIERICHS, H.

Czechoslovakia /Chemical Technology. Chemical Products I-14
and Their Application

Water treatment. Sewage water.

Abs Jour: Referat Zhur - Khimiya, No 9, 1957, 31778

Author : Dierichs A.

Title : The State of the Problem of Purification of Phenolic Sewage Water

Orig Pub: Vodni hospodarstvi, 1955, 5, No 7-7a, priloha, 3-9

Abstract: Extraction and adsorption methods are suitable for the purification of sewage water containing monohydric and dihydric phenols (I), aliphatic hydrocarbons and acids, aliphatic and aromatic compounds of S and N. Of the extractants the most effective is phenolsolvan, and of the adsorbents -- activated carbon and cationites. With a high

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Czechoslovakia /Chemical Technology. Chemical Products 1-14
and Their Application

Water treatment. Sewage water.

Abs Jour: Referat Zhur - Khimiya, No 9, 1957, 31778

concentration of I, extraction is recommended, and with a low concentration -- the adsorption (both by a countercurrent procedure). It is recommended to effect desorption by thermal means. A combination of extraction and adsorption can produce a complete separation of admixtures contained in sewage water, and permit their utilization as raw materials. Steam distilling of I yields I free from acids, but in such cases the sewage water requires additional purification.

Card 2/2

✓ Dierichs, Alfred, and Kubicka, Rudolf; Felky a zámky
1958. Paper. State publ. tech. lit. 1958. 44 p. Fuel 3

DIERNACKA-BIESIANSKA J.,

Cichocka-Szumilin I., Kobus-Zewska-Warynowa M., Trzcinska-Dabrowska Z.
Wczesne zmiany anatomopatologiczne w krzemicy doświadczalnej. Early morbid
anatomical lesions in experimental silicosis POL. TYS. LEK. 1954, 9/8 (225-231
and 59) Illus. 16

Rabbits were exposed to silica dust, one group during 15 weeks, another group
during 33 weeks. The animals were then sacrificed and the eyes, the respiratory
tract and various organs studied histologically. Polaroscopy was also made use
of. The first lesions appeared in the eyes and in the air passages (after an ex-
posure of 15 weeks). Pulmonary changes occurred only after 33 weeks.

Horst-Poznan

SO: Excerpta Medica Section V, Vol. 7, No. 11

DIERZKOWA, Wanda, SWIATEK, Tadeusz

Rare form of subgroup A (Ao). Med. dosw. mikroob. 9 no.3:315-323 1957.

1. Praca poswiecona pamieci prof. Ludwika Hirszfelda.
(BLOOD GROUPS,
subgroup Ao (Pol))

DIERZINSKA, B.

1004. Chemical evaluation of the freshness of raw pig fat. J. Janicki, A. Rutkowski and B. Dierzinska (*Przem. Rol. Spoz.*, 1953, 7 [6], 300-303)

The deterioration of raw pig fat, before and after salting with 2.4 per cent. NaCl, as well as the deterioration of lard obtained by melting fresh pig fat on a water-bath, have been examined at 18° to 20° C over periods of 13 to 63 days. The deterioration of unsalted raw fat is the result of the hydrolysis of glycerides and the destruction of albuminoid substances, it is characterised by an increase in acid value from 0.42 to 8.31 after 13 days, and in peroxide value from 0.43 to 3.60 ml of 0.002 N $\text{Na}_2\text{S}_2\text{O}_8$ per g after 13 days. There is also an increase of NH_4 formation from 13.7 to 110 μg per 100 g and a reduction of pH from 6.0 to 5.0. Increasing change of colour with ephidrin aldehyde and neutral red are also observed. The corresponding increases for salted raw fat are: acid value from 0.44 to 0.97 after 13 days, to 1.82 after 26 days and to 4.67 after 63 days; peroxide value from 0.32 to 2.69 after 12 days, to 3.95 after 26 days and to 18.87 after 63 days; NH_4 from 14.1 to 38.1 mg per 100 g after 13 days, followed by a decrease to 27.4 mg per 100 g after 63 days. Organoleptic examination established unfitness for human consumption of raw fat and the corresponding lard after 7 days, and of salted raw fat after 26 days. Acid value was determined by Kreiss's method as modified by Kozin, peroxide value by the Wehler-Jacobs method, NH_4 colorimetrically with Nessler's reagent, and ephidrin by the Kreiss-Kozin test; the neutral red test was that used by Drordov. The pH values were determined on the water extracts.

H. BURSTIN

DIESKA, D.

A case of Wolff-Parkinson-White syndrome with ventricular paroxysmal tachycardia. Bratisl. lek. listy 35 2 no.2:88-91 31 July 55.

1. Z. Interneho odd. nemocnice OUNZ v Trencine, prednosta Dr. D. Dieska.

(HEART BLOCK

Wolff-Parkinson-White synd., with ventric. paroxysmal tachycardia.)

(TACHYCARDIA, PAROXYSMAL

ventric., in Wolff-Parkinson-White synd.)

DIESKA, D., MUDr.

Training of a regional physician. Cesk. zdravot. 4 no.6:
314-316 June 56.

1. Zast. predsedu internej. katedry UDL, Trencin.
(EDUCATION, MEDICAL,
train. of regional physician in Czech. (Cz))

CZECHOSLOVAKIA/Human and Animal Physiology - Internal Secretion. T
The Sex Glands.

Abs Jour : Ref Zhur Biol., No 3, 1959, 13089

Author : Dieska, D.

Inst : -

Title : Treatment of Thrombocytopenia and Ovarian Hyperplasia
with Androgens

Orig Pub : Bratisl. lekar. listy, 1958, 1, No 6, 358-360

Abstract : No abstract.

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EXCERPTA MEDICA Sec 6 Vol 13/5 Internal Med. May 59

2215. TREATMENT OF PRIMARY POLYCYTHAEMIA WITH PYRIMETHAMINE -
Liečba primárnej polycytémie pyrimetamínom - Lieška D. Int. Kat.,
Slov. Úst. pre Doškoolovanie Lek. v Trenčine - BRATISL. LÉK. LISTY 1958,
38(1)/1 (21-25) Tables 2

Polycythaemia vera can be well controlled by administration of the pyrimidine preparation pyrimethamine ('daraprim'), hitherto used as an antimalarial. In 2 patients its depressive effect of erythropoiesis was demonstrated. By cautious dosage it is possible to maintain normal erythrocyte values, and to eliminate the subjective complaints as well as the danger of thrombus formation. Pyrimethamine has probably an antimetabolic effect in the synthesis of nucleoproteins.

DIESKA, D. (Trencin, Stalingradska 16.)

Paroxysmal tachycardia in young patients with Wolff-Parkinson-White syndrome. Cas. lek. cesk. 97 no.9:281-283 28 Feb 58.

1. Interna katedra Slovenskeho ustavu pre doskolovanie lekarov v Trencine, prednosta MUDr D. Dieska.

(HEART BLOCK, manifest.

paroxysmal tachycardia in young patients with Wolff-Parkinson-White synd. (Cz))

(TACHYCARDIA, PAROXYSMAL, etiol. & pathogen.

Wolff-Parkinson-White synd. in young patients (Cz))

CICVAREK, Z.; DIESKA, D.; IZAKOVIC, V.

Waldenstrom's Macroglobulinaemia. II. Some properties of blood serum proteins. Neoplasma, Bratisl. 7 no.1:48-60 '60.

1. Chair of Internal Medicine, Slovak Postgraduate Medical Institute, Trencin; Central Laboratory of Biochemistry, Territorial Institute of Public Health, Trencin, CSR.

(SERUM GLOBULIN)

(BLOOD PROTEINS)

Country, Given Name

Country: Czechoslovakia

Academic Degrees: Doctor

Affiliation: Director of Slovak Institute for Postgraduate Medical Training (Slovenský
ústav pre doskolenie lekárov), Trenčín

Source: Bratislava, Lekarsky Obzor, No 5, 61, pp 301-304

Data: "The Postgraduate Training of District and Factory General Practitioners"

~~SECRET~~
Country: Czechoslovakia

Academic Degree: Doctor

Affiliation: Director of the Slovak Institute for Postgraduate Medical Training (Slovak
ústav pre doskolovanie lekárov), Trenčín

Source: Bratislava, Leharsky Obzor, No 5, 61, p 305

Data: "Abstract of the 1960 Annual Report on the Activities of the SIEL [Slovak Institute
for Postgraduate Medical Training]"

GPO 9815-3

DIESKA, Dionyz; GAJDOS, Martin

Polycythemia in a kidney tumor. Pol. med. wewnet. 32 no.7:669-672
'62.

1. Z Katedry Chorob Wewnętrznych Słowackiego Instytutu Doszkoleniowego
dla Lekarzy Kierownik: doc. dr med. D. Dieska.
(KIDNEY NEOPLASMS) (POLYCYTHEMIA)

CZECHOSLOVAKIA

DIESKA, D., Docent MD.

Internal Medicine Chair of the Slovak Institute of Pre-Medicine (Interna katedra Slovenskeho ustavu pre doskolovanie lekarov), Bratislava

Bratislava, Bratislavske lekarske listy, No 9, 1963, pp 535-540

"Secondary Haemochromatosis Following Parenteral Application of Iron."

DIESKA, D.

Secondary hemochromatosis after parenteral administration of iron. Bratisl. lek. listy 43 Pt. 1 no.9:535-540 '63.

1. Interna katedra Slovenskeho ustavu pre doskolovanie lekarov, veduci doc. MUDr. D. Dieska.

(IRON METABOLISM) (HEMOCHROMATOSIS)
(LIVER CIRRHOSIS) (HYPERTENSION, PORTAL)
(POSTGASTRECTOMY SYNDROMES)
(ANEMIA, HYPOCHROMIC) (MYOCARDIUM)
(AGED)

DIESKA, D. doc.dr.

Individual postgraduate training of physicians from abroad.
Cesk. zdrav. 12 no.3:107-109 Mr'64.

1. Riaditel Slovenskeho ustavu pre doskolovanie lekarov v
Trencine.

*

DIESKA, D.; GAJDOS, M.

Effect of anticonvulsant drugs on hematopoiesis. Cas. lek. cesk.
103 no.35:961-965 28 Ag '64.

1. Katedra vnutorneho lekarstva SUDL v Trencine (veduci doc. dr.
D. Dieska).

DIESOW, A.

Improvement in the heat processing of reinforced-concrete products. p. 240

PRZEGLAD BUDOWLANY

Warszawa

Vol. 27, no. 7, July 1955

SOURCE: East European Accessions List (EEAL), LC, Vol. 5, no. 3, March 1956

PETROV, Boris Sergeyevich, professor; MITIN, Aleksey Griger'yevich, dotsent;
SITKHINA, Dina Yefimovna, dotsent; SAMKULO, Grigeriy Mikheyevich,
dotsent; VASIL'YEV, P.V., professor, retsenzent; DESPEROV, V.S.,
kuzhener, retsenzent; KOPTOV, G.YE., redakter; ARNOL'DOVA, K.S., redak-
ter; SHITS, V.P., tekhnicheskiy redakter. (MLRA 9:4)

[Organization and planning of production in wood processing enterprises]
Organizatsiia i planirovanie proizvodstva na dereveobrabatyvaiushchikh
predpriatiakh. Moskva, Gosbumizdat, 1955. 407 p.
(Woodworking industries)

PETUKHOV, P.Z., doktor tekhn.nauk; DIESPEROV, V.F. inzh.

Photoelectric automatic stop for bridge cranes. Bezop.truda
v prom. 3 no.9:21-22 S '59. (MIRA 13:2)

1. Ural'skiy politehnichekiy institut.
(Cranes, darricks, etc.--Brakes)

DIESTEL, J.

"Let us produce pork at a lower price"

Per Bujqesine Socialiste. Tirane, Albania. Vol. 13, no. 1, Jan 1959

Monthly list of East European Accessions (EEAI), LC, Vol. 8, No. 6, Jun 59, Unclas

Dieti, B.

Danish experiments in the field of enriching food. p. 54.

PRZEMYSŁ SPOZYWCZY. (Stowarzyszenie Naukowo-Techniczne Inżynierów i Techników Przemysłu Spożywczego) Warszawa, Poland. Vol. 13, no. 1/3, 1959.

Monthly list of East European Accessions (EEAI) LC, Vol. ⁹No. 2, Feb. 1969.

Uncl.

DIETL, BARBARA

✓ Determination of β -carotene in vitaminized chocolate. Stanislaw Berger and Barbara Dietl (Państwowy Zakład Hig., Warsaw). *Rochnik Państwowego Zakładu Hig.* 6, 181-4 (1955) (English summary). -- A modified method is outlined for the detn. of β -carotene in chocolate. A sample is pulverized and 1.5 g. is added to 5 ml. of H_2O in a flask; the mixt. is heated to 40° . The melted sample is transferred into a Waring Blendor, and the flask is washed with 50 ml. of petr. ether and 75 ml. of $RtOH$. The washings are placed in the blender and the sample is homogenized for 30-60 sec. The sample is then transferred to a separatory funnel, and the ether phase is sep'd. and washed repeatedly with petr. ether until a clear layer is obtained. Ether exts. are washed twice with 50 ml. of water. The optical d. of the ext. is measured and compared with a standard curve. The recovery of added β -carotene to chocolate was approx. 87.3%, while for total carotenoids the recovery was about 84.1%.
Richard Ehrlich

MD

(2)

DIETL, Barbara

Influence of the quality of protein in the diet on the metabolism of vitamin A in the liver, kidneys, and blood serum of rats. Roczn panstw zakl hig 14 no.1:117-128 '63.

1. Department of Feeding Hygiene, State Institute of Hygiene, Warsaw.

MANDROWSKA, Aniela; KONIECZNA, Wanda; KOWALSKI, Jerzy; SZCZYGIEL,
Aleksander; KSIEZNY, Stefan; DIETL, Barbara.

Results of studies on the nutritional state and dietary
patterns of children of one of the elementary schools in the
Poznan Voivodeship. Roczn panstw zakl hig 14 no.2:133-144 '63

1. Department of Feeding Hygiene, State Institute of Hygiene,
Warsaw, and Institute of Feeding Hygiene, School of Medicine,
Warsaw.

DIETL, Barbara

Influence of the quality of protein in the diet on the
vitamin A metabolism in certain organs of rats. Pt. 2.
Roczn panstw zakl hig 14 no.3:259-266 '63.

1. Department of Feeding Hygiene, State Institute of
Hygiene, Warsaw.

DEAL, J.

Krasinski, C. Analysis of the working process in granaries. p. 11.

We shall begin the buying of grain in a few weeks; preparations of grain elevators in Zielona Gora. p. 5.

Preparation for the campaign of grain buying. p. 6.

RODZON I A ZDRODZINA, Warszawa, Vol. 6, no. 6, June 1955.

80: Monthly List of East European Accessions, (DEAL), 10, Vol. 4, no. 10, Oct. 1955, Incl.

DIETL. J.

Tasks, subject, and sphere of the analysis of the economic activities
of enterprises of the grain trade. p. 3. Vol. 6, no. 11, Nov. 1955
Warszawa GOSPODARKA ZABOZOWA

SOURCE: East European Accession List (EEAL) Library of Congress
Vol. 5, no. 8, August 1956

DIETL, J.

Foundations of the analysis of costs and the importance of the
research on their interdependence with turnover. p. 1.
Vol. 6, no. 12, Dec. 1955 Warszawa GOSPODARKA ZABOZOWA

SOURCE: East European Accession List (EEAL) Library of Congress
Vol. 5, no. 8, August 1956

DIETRICH, Henryk, mgr inż.

Works of Commission XI and Subcommittee 2/4 of the International
Telegraph and Telephone Consultative Committee (CCITT). Przegl
telekom 34 no.8:242-245 Ag '61.

DIETRICH, Marek (Warszawa)

Dynamic loads of tower cranes due to hoisting and lowering processes. Archiw bud masz 9 no.2:241-272 :63.

DIETRICH, Marek, dr inz.

Approximate method of determining the dynamic loads of tower building cranes during hoisting and lowering processes. Przegl mech 21 no.21:649-653 N '62.

1. Politechnika, Warszawa.

ACC NR: AP6032358

(N)

SOURCE CODES: RU/003/00/000/00-7

AUTHOR: Dietrich, Marek (Doctor, Engineer, Adjunct professor); Golinski, Jan (Doctor, Engineer, Adjunct professor)

ORG: none

TITLE: Design of gear drives. New method optimizing the design for use with digital computers

SOURCE: Przegląd mechaniczny, no. 14, 1966, 423-426

TOPIC TAGS: digital computer, transmission gear

ABSTRACT: The paper discusses a new method of designing gear drives in which the problem of design is formulated in a novel manner and solved by a random search of the region of allowed solutions, using random numbers of uniform distribution. The new method can be applied only when digital machines are employed. The article also gives a practical computational example for a gear drive executed in accordance with the adopted diagram and illustrating the proposed method of optimum synthesis of gear drives. Orig. art. has: 1 figure and 9 formulas.

SUB CODE: 09,13/ SUBM DATE: none/ ORIG REF: 004/ SOV REF: 001

Card 1/1

DIETRICH, Marek (Warsaw)

Positional stability of crane jibs in case of a load breaking
away. Archiw bud masz ll no.2:417-428 '64

KOTSMID, Frantisek, inz.; DIETRICH, Werner

Determining the thermal expansion of glass by the modified Padmos
method. Sklar a keramik 14 no.11:303-308 N '64.

1. Prumyslove sklo National Enterprise, Plant Hostomice.

WARECKA, Krystyna; DIETRICH-RAP, Zofia

Pseudodystrophic form of familial spinal atrophy. Neurol., neuro-
chir., psychiat. Pol. 14 no.3:519-521 My-Je '64

1. Z Kliniki Neurologicznej Akademii Medycznej w Warszawie
(Kierownik: prof. dr. med. I. Hausmanowa-Petrusewicz).

DIETRYCH, A.; DIETRYCH, J.

Remarks on the article on the methods of computing the strength of gears.
p. 604.

PRZEGLAD MECHANICZNY. (Stowarzyszenie Inzynierow i Technikow Mechanikow
Polskich) Warszawa, Poland, Vol. 18, no. 18, Sept. 1959.

Monthly list of East European Accessions (EEAI) LC, Vol. 9, no. 1, Jan. 1960.

Uncl.

DIETRICH, J., prof. dr. inż.

"New designs and calculation methods of machine parts"
by Wiktor Surowiak. Reviewed by J. Dietrych. Przegl
elektrotechn 40 no.1:61-62 Ja'64.

DIETRICH, Janina, mgr

Role of school pharmacies in the professional preparation of
students of the Faculties of Pharmacy of Schools of Medicine.
Farmacja Pol 20 no. 8:310 25 Ap '64.

P.T.A.

534 242 : 622 74

166

Dietrich J. Some Particulars of the Theory and Construction of Resonant Screens.

„Niektóre szczegóły teorii i budowy przesiewaczy rezonansowych”.
Przegląd Górniczy, No. 9, 1950, pp. 456-465, 20 figs

The dynamic forces appearing in high-speed screens make the construction of reciprocating screening machinery difficult. This leads to the application of the principle of resonance. The proper vibrating resonant system is the system of suppressed induced vibrations. The most frequently used constructional organs to secure the necessary coefficient of suppression are rubber „springs” which also help to make the stroke of the screens constant in the vicinity of the frequency appertaining to the maximum stroke. It is important that the screen should have elastic drive. The application of the resonant systems facilitates the solutions of doubled screens and also the construction of high-production screens, requiring much less energy than the oscillating screens.

P7A

1114 622.612 : 622.7085
Dietrych, J. Elimination of Bunkers from the Flow of Coal in the
Screening Plant.

„O usunięciu zbiorników z drogi sortymentów węgla”. Przegląd
Górnictwy, No. 4, 1951 pp. 149—153, 4 figs.

Direct loading simplifies the lay-out of a screening and washing
plant and has certain economic advantages. The suggested lay-out

of a screening plant with direct loading (excepting the fines) shows
many advantages in comparison with lay-outs hitherto in use in this
country, and facilitates the standardisation of mechanical prepara-
tion plants.

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622.233.292

Dietrich J., Zyzak J. Some of Continuous Mining Machines

~~Pracownicy Państwowej Szkoły Górniczej w Katowicach~~ *Pracownicy Państwowej Szkoły Górniczej w Katowicach*, *Pracownicy Państwowej Szkoły Górniczej*, No. 5, 1993, pp. 186-189.

The continuous nature of the work of cutter-loaders on longwalls requires a close examination of transport arrangements for handling the winning, and for the supply of supports, together with work organisation at the longwall to insure continuous operation of coal-cutters. The authors consider the mechanisation of the coal face by means of cutter-loaders and scraper conveyors to be the most effective of all forms of mechanisation hitherto practised, and deal with the prospects of extending this method to short robbing systems.

DIETRICH, J.

Dietrich J. Flow-Sheet for the Mechanical Preparation of Coking Coal.
„Schemat mechanicznej przeróbki węgla koksowego”. Przegląd Górniczy. No. 11, 1954, pp. 365—367.

G-P

Developing the idea of Kilch (reference to 3580) the author proposes to give up the hand-picking of middlings and the primary classification before jigging the coal for coking plants. Comminution of the raw feed to a grain size as required by coking plants; and cleaning it in one class with a secondary cleaning of crushed middlings, will effect the highest simplification and savings even if the fines should be recleaned. Possibilities of reducing the number of power coal sizes destined for home consumption and for export.

DIETRICH, Marek, dr inż., adiunkt

Stability of tower cranes in cases of sudden load release.
Przeł mech 22 no.22:683-685 25 N '63.

1. Katedra Teorii Maszyn i Mechanizmow, Politechnika, Warszawa.

1834
621.928.23:531.112.8
Lubczyk J. Calculation of Velocity of Elevated Materials.
"Obliczanie prędkości przelazanego materialu". Przegląd Mecha-
niczny. No. 1, 1965, pp. 10-12, 5 figs.
To determine the mean velocity of material on a sieve is an indis-
pensable factor in designing a sieving machine. The formula so far used
in calculating this value, gives results differing considerably from mea-
sured values. Assuming that the falling material meets the sieve at the
same level at which it left the sieve when thrown up, the author has
contrived a new formula for the mean velocity of material. It can be
seen from the formula that the higher the angular velocity with a con-
stant throwing index, the lower the mean velocity of material. The
formula is reliable for elastic material.

DIETRZYCH, JANUSZ

POLAND/Chemical Technology, Chemical Products and Their
Application, Part 3. - Treatment of Solid Combustible
Minerals.

H-22

Abs Jour: Referat. Zhurnal Khimiya, No 10, 1958, 33752.

Author : Janusz Dietrych.

Inst : Not given

Title : Automatization of Coal Preparation Process.

Orig Pub: Przegl. górnicy, 1957, 13, No 7-8, 377-379.

Abstract: Considerations concerning the automatization of the coal preparation processes by jigs, suspension separation, classification with screens, transportation within the separation plant, loading into railroad trucks, as well as the water and sludge disposal are presented.

Card : 1/1

22

DIENRYCH, J. ; NAWROCKI, J.

The evaluation of granulometric changes of coal in the light of Bennet's formula. p. 522.

PRZEGLĄD GORNICZY. (Stowarzyszenie Naukowo-Techniczne Inżynierów i Techników Górnictwa) Katowice. Poland.
Vol. 15, no. 10/11, Oct./Nov. 1959.

Monthly List of East European Accessions (EEAI) LC, Vol. 9, no. 2, Feb. 1959.

Uncl.

DIETRICH, J.; DIETRICH, A.

Remarks on the article on the methods of computing the strength of gears.
p. 604.

PIZEGŁAD MECHANICZNY. (Stowarzyszenie Inżynierów i Techników Mechaników
Polskich) Warszawa, Poland, Vol. 18, no. 18, Sept. 1959.

Monthly list of East European Accessions (EEAI) LC, Vol. 9, no. 1, Jan. 1960.

Uncl.

DIETRICH, J., prof. dr. inż.

On the importance of professor Gundlach's proposition. Ciepł. maszyn
przepl. no. 35:51-53 '61.

1. Katedra Części Maszyn, Politechnika Śląska, Gliwice.

DIETRYCH, Janusz, prof. dr

Truth or scientific information? Problemy 19 no.1:58 '63.

1. Politechnika Slaska, Gliwice.

DIETRYCH, Janusz, prof, dr. inz.; NAWROCKI, Jerzy, dr. inz.

Improved methods of calculating the speed of the material
on the sieve of a screen. Przegl gorn 19 no.5:222-224. My '63.

DIETRYCH, Romuald

Bureau for the Turnover of Machines and Raw Materials -
a rational administration of machines and raw materials.
Przeł drobnej wytworczosci 12 no.6:12-13 Mr '62.

DIETRICH, Stanislaw, mgr. inż.

Application of air bearings in assembling presses to fiber-
board. Przegl. mech. 22 no.20:637-639 25 0'63.

1. Zaklad Urzadzen Technicznych Zgoda, Warszawa.

DIETZ, Erno

Designing household gas pipes from the point of view of
supervision. Epuletgepeszet 12 no.1/2:46-47 Mr '63.

I 33640-66 EWP(e)/EWP(t)/EWP(k)/ETI/EWP(1) JD/WH

ACC NR: AP6025006

SOURCE CODE: GE/0005/65/000/011/0355/0357

AUTHOR: Dietz, Lothar--Dits, L. (Ilmenau)

40
B

ORG: none

TITLE: Automation of filling in slip casting

SOURCE: Silikattechnik, no. 11, 1965, 355-357

TOPIC TAGS: ceramics, ceramic manufacturing machinery, automation equipment

ABSTRACT: After discussing the problems of the casting process in the ceramic industry, author treats the possibilities of measuring the degree of filling of molds and mentions certain constructive ways of solving the problem of the mechanics of filling. The designed device is explained in detail; it makes use of the change of resistance between two measuring electrodes dipped into the slip mass to measure the level of filling, and a valve as a shut-off system. Orig. art. has: 5 figures. [JPRS: 33,909]

SUB CODE: 13, 11 / SUBM DATE: none / ORIG REF: 005

Card 1/1

UDC: 666.3.022.846

COUNTRY : POLAND H
CATEGORY : Chemical Technology. Chemical Products and
Their Applications. Elements. Oxides. Minerals*
ABS. JOUR. : RZKhim., No. 23 1959, No. 22795
AUTHOR : Akerman, K.; Zmudzinski, B.; Dintze, S.; Sakala
TITLE : Derivation of Aluminum Oxide by the Continuous
Leaching of Aluminum Containing Crushable
Slags with Soda Solution
ORIG. PUB. : Arch. hutn., 1958, 3, No 4, 287-304
ABSTRACT : Developed were the method and pilot plant
equipment for leaching of slags having com-
position indicated in the preceding article.
The slags contained leachable Ca aluminates
of the $12 \text{CaO} \cdot 7\text{Al}_2\text{O}_3$ type. The leaching ope-
ration was conducted continuously in 2 stages.
In the first stage leaching was achieved with
the solution leaving the second stage and con-
taining NaHCO_3 , NaAlO_2 and impurities. In so
doing a certain quantity of Si was also
*Acids, Bases, Salts.
CARD: 1/3

COUNTRY : H
CATEGORY :
ABS. JOUR. : RZhKhim., No. 23 1959, No. 82795
AUTHOR :
INST. :
TITLE :
ORIG. PUB. :
ABSTRACT : removed. After the filtration the filtrate was
Con'd subjected to carbonation in a special appara-
tus. A portion of Na_2CO_3 solution obtained in
the precipitation of $\text{Al}(\text{OH})_3$ was treated in
the CO_2 scrubbers. NaHCO_3 solution effluent
from scrubbers was used for the precipitation
of $\text{Al}(\text{OH})_3$ in the first leaching stage. Solid
residue from the first leaching stage was
treated in the second reactor with the remain-
ing NaHCO_3 solution. The total Al_2O_3 extrac-
ted ranged from 75 to 90%. The remaining so-
lids after the extraction had "Kule's" modulus
CARD: 2/3

H - 37

COUNTRY :
CATEGORY :

ABS. JOUR. : RZKhim., No. 23 1959, No. 82795

AUTHOR :
INST. :
TITLE :

ORIG. PUB. :

ABSTRACT : of 90-100 and were suitable for the direct
Con'd manufacture of cement. The bibliography in-
cludes 5 titles.

CARD: 3/3

DIETZSCH, H.J.

The significance of spirometry in chronic, non-tuberculous lung diseases in childhood. Cesk. pediat. 20 no.3:396-401
Mr '65

1. Kinderklinik der Medizinischen Akademie, Dresden;
Kinderklinik des Krankenhauses , Dresden-Neustadt.

DIEVAITIENE, J., med. m. kand.

Diagnosis of joint diseases. Sveik. apsaug. 7 no.6 (78):17-23 Je '62.

1. Kauno Valstybinio medicinos instituto vidaus ligu propedeutikos
katedra. Katedros vedejas — doc. med. m. dr. A. Ziugzda.
(JOINT DISEASES)

DIEVAITIENE, J., doc.

Work capacity determination in rheumatism. Sveik. apsaug.
8 no.8:3-7 Ag'63.

1. Kauno Valst. medicinos instituto vidaus ligu propedeutikos
katedra.

*

Diezek, J.

Diezek, J. V. Jadrnicek's Predpisy pro jakost nerudnych surovin (Specifications for the Quality of Ceramic Raw Materials); a book review.
p. 24.

Vol. 5, no. 1, Jan. 1957
SLEVARENSTVI
TECHNOLOGY
Czechoslovakia

So. East European Accessions, Vol. 6, May 1957
No. 5

Diezek, J.

Diezek, J. Present-day situation in regard to the supply of Czechoslovak
foundry sands. Prace. p. 71.

Vol. 5, no. 1, Jan. 1957

SLEVARENSTVI

TECHNOLOGY

Czechoslovakia

So. East European Accessions, Vol. 6, May 1957
No. 5

DIEZEK, J.

The effect of coal dust upon the properties of molding mixtures and the surface quality of castings. Prace. p.87. (Slevařenství. Praha. Vol. 5, no. 4, Apr. 1957.)

SO: Monthly List of East European Accessions (EEAL) LC. Vol. 6, no. 7, July 1957. Uncl.

CERNY, M.; DIFEK, M.; KRYSTOF, M.

Studies on the reactivity of the CNS in radiotelegraph operators.
Activ. nerv. sup. 4 no.2:186 '62.

1. Vyzkumna psychiatricka laborator psychiatricke kliniky fakulty
vseobecneho lekarstvi Karlovy university v v Praze, Ustredni
zdravotnicky ustav ministerstva vnitra v Praze.

(CENTRAL NERVOUS SYSTEM physiol)
(OCCUPATIONS AND PROFESSIONS)

DIFFINE, E.A.

Geometric calculations and means of designing insert roller bits.
Trudy MINKHIGP no.35:153-160 '61. (MIRA 14:11)
(Boring machinery)

DIFFINE, E.A.

Selecting a design for an insert bit. Trudy MINKHiGP no.35:161-
175 '61. (MIRA 14:11)

(Boring machinery)

KERSHENBAUM, Ya.M.; DIFFINE, Z.A.

Replaceable extension bits. Neft.khoz. 37 no.3:33-37 Mr '59.
(MIRA 12:5)

(Boring machinery)

DIGAS, L.A. [Dihas, L.A.]; KOLOSOVSKAYA, V.A. [Kolosovs'ka, V.A.]

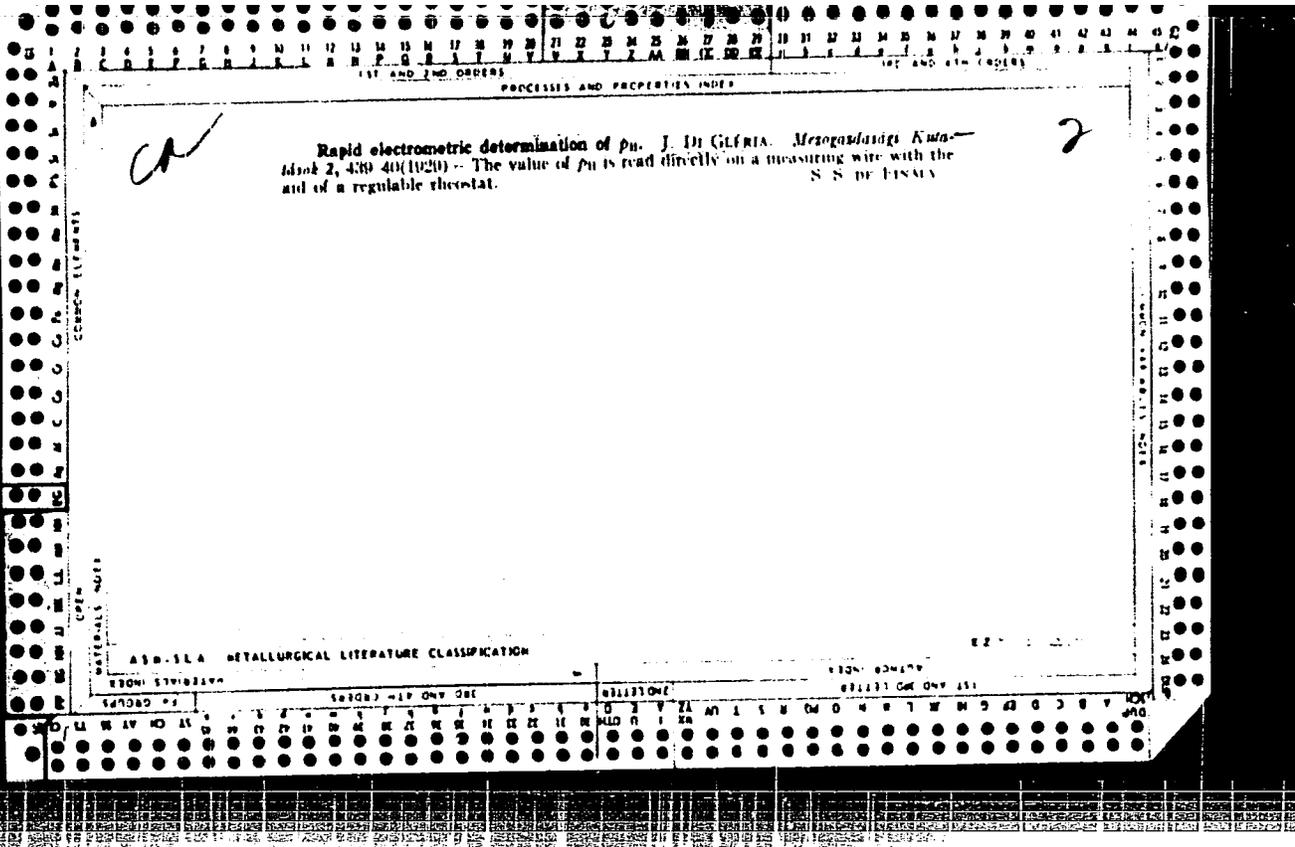
Find of Lower Paleocene sediments in the northeastern slope of the
Ukrainian Shield. Geol. zhur. 24 no.1:95-97 '64. (MIRA 18:7)

1. Treat "Kiyevgeologiya".

DIGILEV, P. [Dyhiliev, P.]

Experience with tunnel kilns. Sil'.bud. 12 no.4:20-21 Ap
'62. (MIRA 15:8)

1. Starshiy inzh. Volinskogo oblastnogo mezhkolkhozstroya.
(Volynskaya Province--Kilns)



1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50

1ST AND 2ND ORDERS 3RD AND 4TH ORDERS

PROCESSES AND PROPERTIES INDEX

ca

Determination of nutrient requirement of soils by means of electrolysis. J. Di Girolamo. *Meadowdale, Kuldsk 3, 185-8(1970)*. -P, O, and K data detd. by electrolysis are always higher than those detd. according to Neubauer. Neubauer data did not show any regular connections with dialysis data. Also NO₃ and NO₂ contents of soil can be detd. by electrolysis. S. S. DE FINALLY

15

COMMON ELEMENTS

OPEN

MATERIALS INDEX

ASA-SLA METALLURGICAL LITERATURE CLASSIFICATION

REGION: EUROPE

1ST AND 2ND ORDERS 3RD AND 4TH ORDERS

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50

PROCESSES AND PROPERTIES INDEX

13

can

The estimation of the nutrient content of soils by electro dialysis. J. DI GLERIA. Proc. 2nd Intern. Cong. Soil Sci., Leningrad, 1930, IV, 185-9. (In German). Removal of P_2O_5 and K_2O from soils by electro dialysis in Mattson's app. (cf. C. A. 20, 3766) is correlated with the ams. shown to be available by the Neubauer rye-seedling test (cf. C. A. 18, 877). The 2 methods are in substantial agreement in showing the relative order of availability of these nutrients in a series of samples, but electro dialysis shows differences much more plainly, especially with P_2O_5 . It has the addnl. advantage that different forms of available N can be distinguished. C. I. SCHOLLENBERGER

A S B S L A METALLURGICAL LITERATURE CLASSIFICATION

E 2

PROCESSES AND PROPERTIES INDEX

15

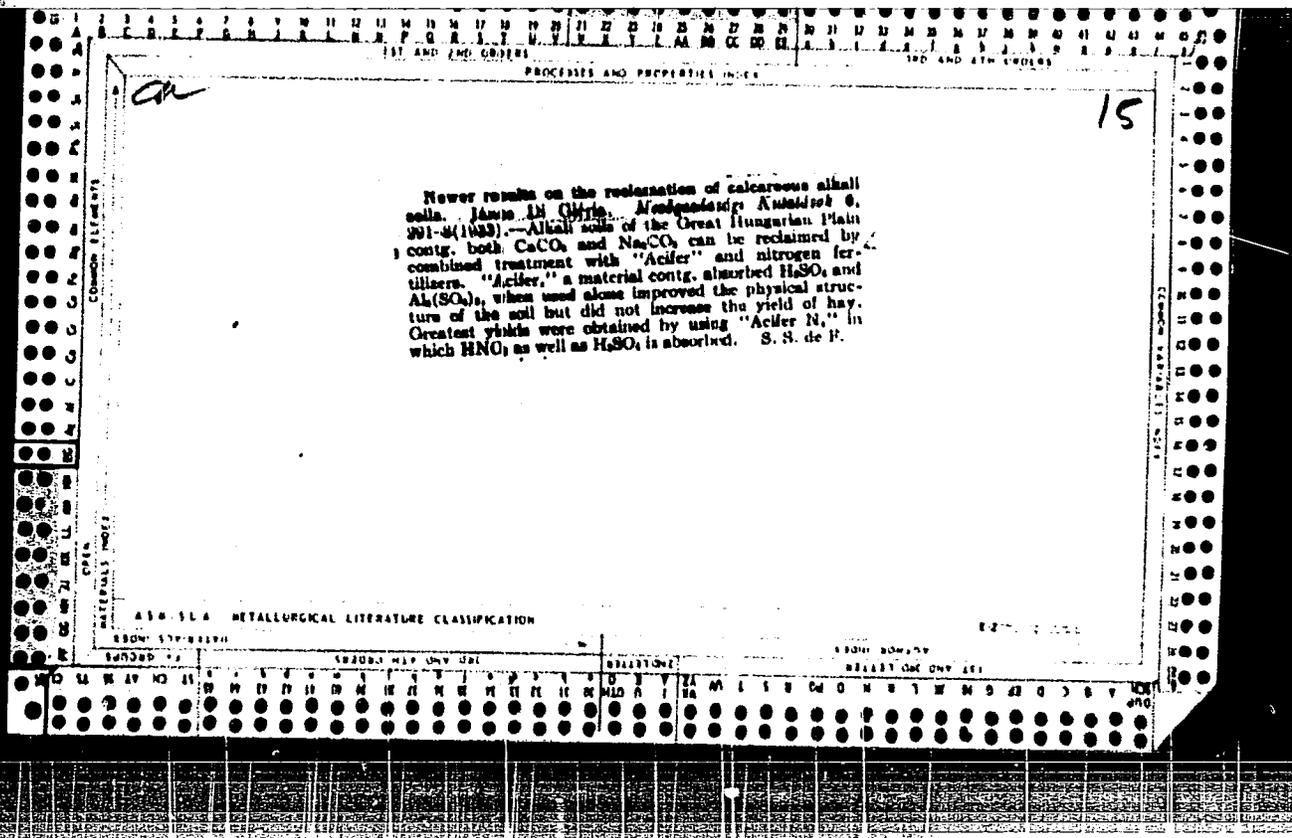
Mathematical formulation of the relation between content of solids in nutritive ingredients and the yield. JAMES DI GABRIA. *Mezopotamicki Kuvastik* 6, 125-34 (1933).—The relation is expressed in parabolic, hyperbolic and logarithmic formulas. The data calcd. by means of the parabolic formulas agreed fairly well with empirical experiences. S. S. DE FINALLY

ASH-S.A. METALLURGICAL LITERATURE CLASSIFICATION

13000 000100

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011121 Cok ONV 151



1ST AND 2ND ORDERS PROCESSES AND PROPERTIES INDEX 100 AND 4TH ORDERS

15

CPX

The estimation of pH values with the antimony electrode. J. Di Gloria, *Proc. 3rd Intern. Congr. Soil Sci., Leningrad 1930-31, 17-19(1933)* (in German).—The prepn. of an Sb electrode by electrodeposition from a soln. of tartar emetic and Na₂S upon a base of Sn-plated Cu is described, and the potentials of the same in buffers, pH 3.0-10.2 by steps of 0.4, are tabulated. The $e. m. f.$ variation is not strictly linear nor in exact agreement with the Nernst equation, but indications with 20 soils checked well and agreed with those of the quinhydrone electrode up to pH 8.6, above which the latter is known to be unreliable. The Sb electrode is recommended for soil pH work, especially for alk. soils. C. J. Schollenberger

ASB-SLA METALLURGICAL LITERATURE CLASSIFICATION

EBOOKS INDEX COMMON ELEMENTS MATERIALS INDEX

1ST AND 2ND ORDERS PROCESSES AND PROPERTIES INDEX 100 AND 4TH ORDERS

PROCESSES AND PROPERTIES INDEX

191 AND 192 SERIES

190 AND 191 SERIES

Bc

A-4

Structure and synthetic production of vitamin-C. J. DI (LERNIA (Kieferl. Kgl., 1934, 37, 267--269).—Natural and synthetic samples of ascorbic acid showed the same oxidation-reduction potential. (7. Ann. (p)

METALLURGICAL LITERATURE CLASSIFICATION

	FROM: 191-192	SECOND: 191-192	THIRD: 191-192	FOURTH: 191-192	FIFTH: 191-192	SIXTH: 191-192	SEVENTH: 191-192	EIGHTH: 191-192	NINTH: 191-192	TENTH: 191-192	ELEVENTH: 191-192	TWELFTH: 191-192	THIRTEENTH: 191-192	FOURTEENTH: 191-192	FIFTEENTH: 191-192	SIXTEENTH: 191-192	SEVENTEENTH: 191-192	EIGHTEENTH: 191-192	NINETEENTH: 191-192	TWENTIETH: 191-192
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ca

116

Determination of vitamin C. János Di Gleria. *Műszaki közlöny* 7, 220-30(1934). In expts. with pure ascorbic acid practically the same values were obtained by titration by the iodine method and by the 2,6-dichlorophenol-indophenol method. The acid decomposes very quickly in weakly acid or neutral solns. No significant effect on the results is produced at pH values less than 4. In electrometric titrations the oxidation-reduction potential of ascorbic acid depends much on the pH of the soln.; a difference of 1 in pH value makes about 58 mv. difference in potential. The potential at pH 0 against a satd. calomel electrode is +0.3295 v. Percentage contents of ascorbic acid detd. by 2,6-dichlorophenol-indophenol and iodine, resp., in various products are: tomato

purée 0.048, 0.002; tomato cheese 0.105, 0.128; tomato flour 0.109, 0.123; boiled tomato 0.014, 0.018; fresh spinach 0.008, 0.010; spinach flour 0.110, 0.131; Vitapric (a jam-like prepn. of paprika juice) 0.401, 0.400; paprika purée 0.180, 0.180; onion 0.004, 0.000; lemon 0.178, 0.212; various varieties of apples 0.018, 0.055, 0.030, 0.070 and pears 0.035, 0.080. S. S. de Emaly.

ABSTRACTS METALLURGICAL LITERATURE CLASSIFICATION

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100
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PROCESSES AND PROPERTIES INDEX

1ST AND 2ND ORDERS 3RD AND 4TH ORDERS

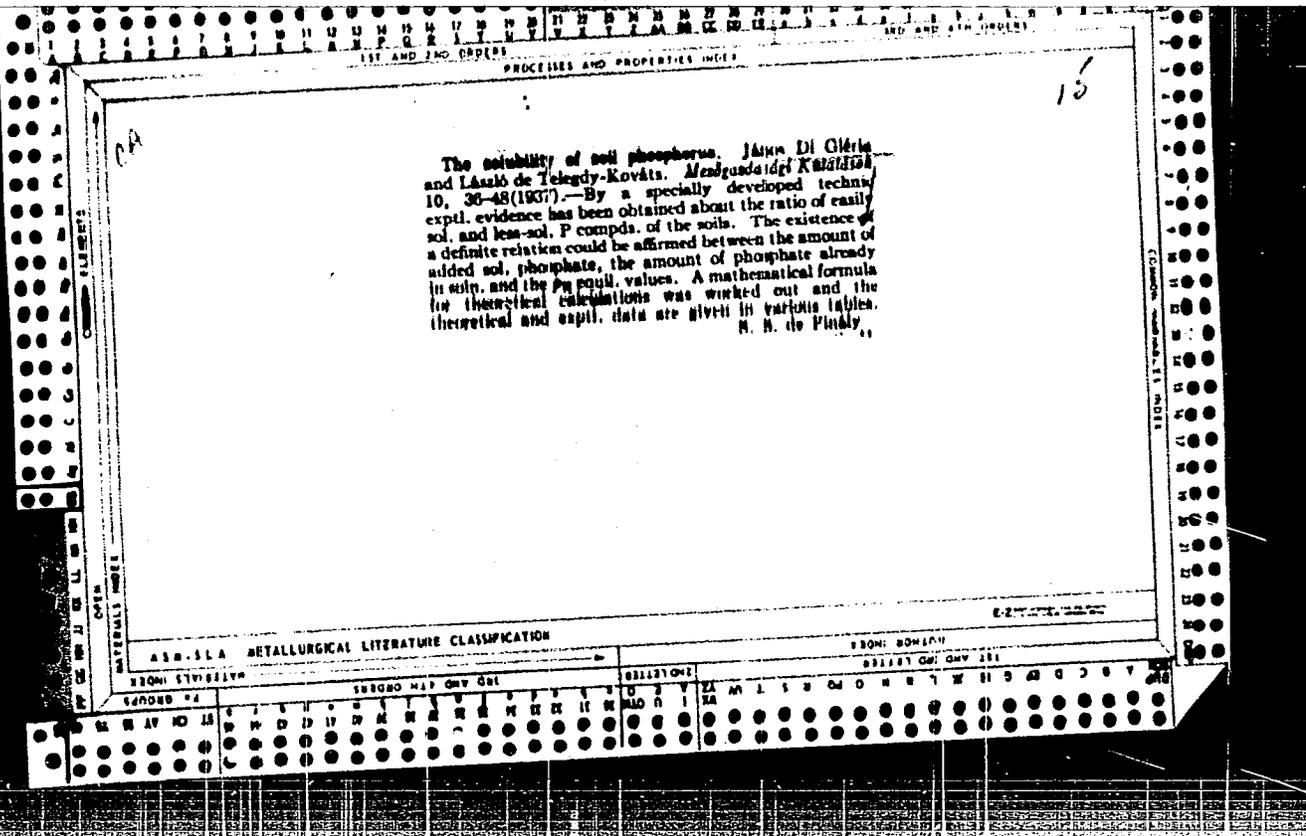
15

Availability of different electrodes for the electrometric determination of p_H values of soils. János Döglér, *Magyarországi Kémiaiok* 8, 38-43(1935).—The H electrode gives reliable results but is not convenient for detn. on a large scale in practice. The quinhydrone electrode can be used only at p_H values under 8.5. If the soil contains strong oxidizing or reducing substances, these interfere with the detn. The oxidation-reduction potential has no influence on the data obtained with the Sb oxide electrode, but each electrode must be calibrated, since the relation of electrode potential and p_H value does not strictly follow the Nernst formula. The glass electrode also is not influenced by the oxidation-reduction potential but it must be treated with dil. HCl and steam to obtain reliable data and to assure a stable value of potential under measurement. Calibration also is necessary. The const. factor of the Nernst formula was detd. to be 0.0497 v. instead of theoretical 0.0591 v. S. S. d. P.

ASM-SLA METALLURGICAL LITERATURE CLASSIFICATION

E-277-100-1000

GROUP	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50
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PROCESSES AND PROPERTIES NOTES

Chemical insecticides for plants. *Janos Di (Héon)*
Kémény & Lippé 2, No. 2, 8 13(1941). - Insecticide,
can be classified as (1) inhalation poisons, (2) solvent and
corrosive (contact) poisons, (3) cell (protoplasm) poisons
and (4) nerve poisons. The applicability and the detn. of
toxicity are described. S. S. de Finály

ASH-SLA METALLURGICAL LITERATURE CLASSIFICATION

GROUP #	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z
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PROCESSES AND PROPERTIES IN...

15

Significance of calcium carbonate in the reclamation of leached alkali soils and in the formation of soda soils.
 János D. Gléria (Hungarian Chem. Inst. and Central Expt. Sta., Budapest, Hungary). *Kövelési Közlemények* 46, 47 (1943). Calcareous soils can absorb Na_2CO_3 from the soil soln. and can retain it strongly. Lime-free soils absorb chiefly NaOH formed from the Na_2CO_3 by hydrolysis. Alkali soils contg. both lime and Na_2CO_3 are formed from calcareous soils and soil water contg. NaHCO_3 if this latter compd. is transformed to normal carbonate. Calcareous soils absorb Na_2CO_3 so strongly that they can be washed with water without any considerable loss of Na_2CO_3 . István Finály

ASB-35A METALLURGICAL LITERATURE CLASSIFICATION

E 770-42

D. GLORIA, J. ANOS

✓ Quick determination of moisture content of soils. János
Di Gloria and Béla Kazó (Agronomy, Research Inst., Buda-
pest); *Agronómia és Talajtan*, 99-110(1951).—The
A simple, quick, and cheap method is based upon the hygro-
scopicity of glycerol. Dilute glycerol (82-8%) is mixed
with the soil sample, allowed to stand for 30-50 min., and fil-
tered under the application of a pressure of 2 to 3 atm.
through filter-paper disks placed in appropriate crucibles.
Three quarters of the filtrate is discarded, and some drops
of the last portion are placed in a refractometer. The
water content of soil is calcd. on the basis of 2 readings:
refractometer value of original glycerol and refractometer
value of filtered glycerol. Equations were derived to obtain
correction values to be employed at measurements where
a high accuracy is needed. The used glycerol can be re-
generated by heating to 180°. Details of the app. are given.
István Finály

Gleria Di, János

The influence of ammonia and nitrate nitrogen on the phosphorus absorptive capacity of various artificial phospho-manures through *Aspergillus niger*. János Di Gleria, Mrs. Sándor Erdei, and János Sarkadi (Agronomy Research Inst., Budapest). *Agronomia et Talajtan* 3, 371-81(1954) (French and German summaries).--It was found that *A. niger* picks up P from Kola and Gaska phosphates if the culture medium is neutral. If the source of N is only NH_4 ions the amt. of phosphate picked up is min. because of physiol. acidity. This acidity then causes decreased absorption of P. It is probable that this decrease is caused by P ions.
Nella Hellinger

di GLERIA, J.

HUNG

✓ Soil acidity and basicity in the light of the latest research. J. di
Gleria (*Acta agron. Hung.*, 1954, 4, 175--202).—A reinterpretation
of the principles of base exchange and associated phenomena in soil
in terms of the modern theory of electrolytes. A. G. POLLARD.

DI-GLERIYA YANOSH [Di-Gloria Janos]

Physicochemical and colloid chemical processes of soils in the
light of recent investigations [with summary in English].
Pochvovedenie no.10:12-20 O '58. (MIRA 11:10)

1. Nauchno-issledovatel'skiy institut pochvovedeniya i agronomii
Vengerskoy AN, g.Budapesht.
(Soil chemistry) (Soil colloids)

di GLERIA, J.

Commemorating the work of Elec Sigmund on the 20th anniversary of his death.
p.447.

MAGYAR KEMIKUSOK LAPJA. (Magyar Kemikusok Egyesulete) Budapest, Hungary.
Vol. 14, no. 11, Nov. 1959.

Monthly List of East European Accessions. (EEAI) LC Vol. 9, no. 2,
Feb. 1960 Uncl.

DI GLERIA, Janos; DARAB, Katalin

Determination of Na-ion content of solutions by a glass electrode.
Agrokem talajtan 9 no.2:261-270 '60.

1. Magyar Tudományos Akademia Talajtani es Agrokemiai Kutato
Intezete, Budapest. 2. "Agrokemia es Talajtan" szerkeszto
bizottsagi tagaj (for Di Gleria).